

VEGETATION SURVEY

Quadrat	T1
Location	Turbine T1
Grid Reference	258527 128853
Survey Date	25-06-2020
Habitat	Improved agricultural grassland (GA1)
Species Richness	11
IVC	GL2C <i>Holcus lanatus</i> - <i>Lolium perenne</i> grassland
IVC Affinity	99.7%
Species	Domin
<i>Lolium perenne</i>	8
<i>Agrostis stolonifera</i>	6
<i>Agrostis vinealis</i>	4
<i>Holcus lanatus</i>	4
<i>Trifolium repens</i>	4
<i>Holcus mollis</i>	2
<i>Hypochaeris radicata</i>	2
<i>Bryum</i> sp.	1
<i>Juncus effusus</i>	1
<i>Poa annua</i>	1
<i>Rumex acetosella</i>	1



Quadrat	T2
Location	Turbine T2
Grid Reference	259519 129722
Survey Date	09-07-2020
Habitat	Wet heath / conifer plantation mosaic (HH3 / WD4)
Species Richness	12
IVC	HE2A <i>Ulex gallii</i> - <i>Erica cinerea</i> heath
IVC Affinity	51.8%
Species	Domin
<i>Calluna vulgaris</i>	7
<i>Hypnum jutlandicum</i>	6
<i>Picea sitchensis</i>	6
<i>Kindbergia praelonga</i>	5
<i>Ulex gallii</i>	5
<i>Erica cinerea</i>	4
<i>Molinia caerulea</i>	4
<i>Polytrichum commune</i>	2
<i>Polytrichastrum formosum</i>	2
<i>Rubus fruticosus</i> agg.	2
<i>Dicranum scoparium</i>	1
<i>Dryopteris dilatata</i>	1



Quadrat	T3
Location	Turbine T3
Grid Reference	258738 129650
Survey Date	25-06-2020
Habitat	Immature conifer/broadleaf plantation (WS2)
Species Richness	13
IVC	HE2A <i>Ulex gallii</i> - <i>Erica cinerea</i> heath
IVC Affinity	97.9%
Species	Domin
<i>Calluna vulgaris</i>	7
<i>Ulex gallii</i>	6
<i>Erica cinerea</i>	5
<i>Hypnum jutlandicum</i>	4
<i>Picea sitchensis</i>	4
<i>Eucalyptus</i> sp.	3
<i>Molinia caerulea</i>	3
<i>Campylopus introflexus</i>	2
<i>Vaccinium myrtillus</i>	2
<i>Agrostis vinealis</i>	1
<i>Dryopteris dilatata</i>	1
<i>Polytrichum commune</i>	1
<i>Polytrichastrum formosum</i>	1



Quadrat	T4
Location	Turbine T4
Grid Reference	259412 130299
Survey Date	09-07-2020
Habitat	Conifer plantation (WD4)
Species Richness	10
IVC	Transitional
IVC Affinities	HE4D (12.5%) / WL4C (6.5%) / GL1D (6.2%)
Species	Domin
<i>Picea sitchensis</i>	8
<i>Hypnum jutlandicum</i>	7
<i>Pinus contorta</i>	6
<i>Molinia caerulea</i>	5
<i>Rubus fruticosus</i> agg.	4
<i>Vaccinium myrtillus</i>	3
<i>Polytrichastrum formosum</i>	2
<i>Campylopus introflexus</i>	1
<i>Kindbergia praelonga</i>	1
<i>Pseudoscleropodium purum</i>	1



Quadrat	T5
Location	Turbine T5
Grid Reference	258540 130284
Survey Date	25-06-2020
Habitat	Improved agricultural grassland (GA1)
Species Richness	9
IVC	GL3B <i>Lolium perenne</i> - <i>Trifolium repens</i> grassland
IVC Affinity	52.4%
Species	Domin
<i>Lolium perenne</i>	8
<i>Phleum pratense</i>	6
<i>Poa trivialis</i>	5
<i>Trifolium repens</i>	4
<i>Alopecurus geniculatus</i>	3
<i>Bellis perennis</i>	2
<i>Holcus lanatus</i>	1
<i>Ranunculus repens</i>	1
<i>Taraxacum</i> agg.	1



Quadrat	T6		
Location	Turbine T6		
Grid Reference	259358 130928		
Survey Date	01-07-2020		
Habitat	Conifer plantation (WD4)		
Species Richness	9		
IVC	Transitional		
IVC Affinities	HE2B (27.3%) / HE3A (21.4%) / HE3B (4.2%)		
Species	Domin	Species	Domin
<i>Pinus contorta</i>	9	<i>Molinia caerulea</i>	2
<i>Hypnum jutlandicum</i>	5	<i>Kindbergia praelonga</i>	1
<i>Vaccinium myrtillus</i>	5	<i>Lophocolea bidentata</i>	1
<i>Calluna vulgaris</i>	4	<i>Rubus fruticosus</i> agg.	1
<i>Polytrichum commune</i>	3		



Quadrat	T7		
Location	Turbine T7		
Grid Reference	259358 130928		
Survey Date	26-06-2020		
Habitat	Immature conifer plantation (WS2)		
Species Richness	21		
IVC	GL2D <i>Juncus effusus</i> - <i>Rumex acetosa</i> grassland		
IVC Affinity	55.0%		
Species	Domin	Species	Domin
<i>Juncus effusus</i>	7	<i>Chamerion angustifolium</i>	2
<i>Anthoxanthum odoratum</i>	5	<i>Lotus pedunculatus</i>	2
<i>Holcus lanatus</i>	5	<i>Polytrichastrum formosum</i>	2
<i>Agrostis capillaris</i>	4	<i>Ranunculus repens</i>	2
<i>Agrostis stolonifera</i>	4	<i>Rubus fruticosus</i> agg.	2
<i>Digitalis purpurea</i>	4	<i>Dryopteris dilatata</i>	1
<i>Rumex acetosella</i>	4	<i>Epilobium palustre</i>	1
<i>Juncus bulbosus</i>	3	<i>Hypnum cupressiforme</i>	1
<i>Ranunculus flammula</i>	3	<i>Picea sitchensis</i>	1
<i>Campylopus flexuosus</i>	2	<i>Potentilla erecta</i>	1
<i>Carex echinata</i>	2		



Quadrat	T8
Location	Turbine T8
Grid Reference	259003 131407
Survey Date	26-06-2020
Habitat	Conifer plantation (WD4)
Species Richness	13
IVC	Transitional
IVC Affinities	WL4D (33.2%) / WL4E (11.2%) / WL4A (9.2%)
Species	Domin
<i>Picea sitchensis</i>	10
<i>Thuidium tamariscinum</i>	9
<i>Rubus fruticosus</i> agg.	4
<i>Salix cinerea</i>	3
<i>Sphagnum palustre</i>	3
<i>Sphagnum capillifolium</i> ssp. <i>rubellum</i>	3
<i>Agrostis capillaris</i>	2
<i>Hedera hibernica</i>	2
<i>Kindbergia praelonga</i>	2
<i>Plagiothecium undulatum</i>	2
<i>Blechnum spicant</i>	1
<i>Dryopteris dilatata</i>	1
<i>Polytrichum commune</i>	1



Quadrat	T9
Location	Turbine T9
Grid Reference	258180 131317
Survey Date	26-06-2020
Habitat	Conifer plantation (WD4)
Species Richness	7
IVC	None
IVC Affinities	Noise (7.3%) / WL4D (5.1%) / WL4A (3.4%)
Species	Domin
<i>Picea sitchensis</i>	9
<i>Kindbergia praelonga</i>	7
<i>Thuidium tamariscinum</i>	3
<i>Hedera hibernica</i>	2
<i>Blechnum spicant</i>	1
<i>Dryopteris dilatata</i>	1
<i>Pseudotaxiphyllum elegans</i>	1



Quadrat	T10
Location	Turbine T10
Grid Reference	258683 131909
Survey Date	01-07-2020
Habitat	Improved agricultural grassland (GA1)
Species Richness	8
IVC	GL2C <i>Holcus lanatus</i> - <i>Lolium perenne</i> grassland
IVC Affinity	77.2%
Species	Domin
<i>Lolium perenne</i>	9
<i>Holcus lanatus</i>	5
<i>Trifolium repens</i>	5
<i>Phleum pratense</i>	4
<i>Taraxacum</i> agg.	4
<i>Cerastium fontanum</i>	3
<i>Poa trivialis</i>	3
<i>Bellis perennis</i>	2



Quadrat	T11
Location	Turbine T11
Grid Reference	257819 131776
Survey Date	01-07-2020
Habitat	Conifer plantation (WD4)
Species Richness	6
IVC	None
IVC Affinities	Noise (10.1%) / FW3G (3.5%) / RH2A (3.3%)
Species	Domin
<i>Picea sitchensis</i>	10
<i>Kindbergia praelonga</i>	5
<i>Dryopteris dilatata</i>	2
<i>Blechnum spicant</i>	1
<i>Hypnum cupressiforme</i>	1
<i>Pseudotaxiphyllum elegans</i>	1



Quadrat	T12
Location	Turbine T12
Grid Reference	258443 132400
Survey Date	02-07-2020
Habitat	Improved agricultural grassland (GA1)
Species Richness	5
IVC	GL2C <i>Holcus lanatus</i> - <i>Lolium perenne</i> grassland
IVC Affinity	99.2%
Species	Domin
<i>Holcus lanatus</i>	8
<i>Poa trivialis</i>	7
<i>Lolium perenne</i>	4
<i>Cirsium arvense</i>	1
<i>Ranunculus repens</i>	1



Quadrat	T13
Location	Turbine T13
Grid Reference	257687 132394
Survey Date	02-07-2020
Habitat	Conifer plantation (WD4)
Species Richness	13
IVC	Transitional
IVC Affinity	WL4D (17.0%) / WL4A (15.3%) / WL1A (5.0%)
Species	Domin
<i>Picea sitchensis</i>	9
<i>Thuidium tamariscinum</i>	8
<i>Dryopteris dilatata</i>	3
<i>Hypnum jutlandicum</i>	3
<i>Kindbergia praelonga</i>	3
<i>Hypnum cupressiforme</i>	2
<i>Pseudotaxiphyllum elegans</i>	2
<i>Calypogeia arguta</i>	1
<i>Dicranella heteromalla</i>	1
<i>Ilex aquifolium</i>	1
<i>Luzula multiflora</i>	1



Quadrat	T14
Location	Turbine T14
Grid Reference	258575 133090
Survey Date	08-07-2020
Habitat	Conifer plantation (WD4)
Species Richness	12
IVC	Transitional
IVC Affinities	SM6B (34.6%) / GL2C (27.8%) / GL2A (23.7%)
Species	Domin
<i>Larix kaempferi</i>	9
<i>Agrostis stolonifera</i>	8
<i>Holcus lanatus</i>	6
<i>Stellaria holostea</i>	3
<i>Hypnum cupressiforme</i>	2
<i>Hedera hibernica</i>	2
<i>Pteridium aquilinum</i>	1
<i>Metzgeria violacea</i>	1
<i>Kindbergia praelonga</i>	1
<i>Hypnum resupinatum</i>	1
<i>Dryopteris dilatata</i>	1
<i>Dryopteris affinis</i>	1



Quadrat	T15		
Location	Turbine T15		
Grid Reference	257749 133033		
Survey Date	02-07-2020		
Habitat	Immature conifer plantation (WS2)		
IVC	WL4C <i>Betula pubescens</i> - <i>Sphagnum palustre</i> woodland		
IVC Affinity	60.9%		
Species Richness	26		
Species	Domin	Species	Domin
<i>Juncus effusus</i>	6	<i>Thuidium tamariscinum</i>	3
<i>Molinia caerulea</i>	5	<i>Dryopteris affinis</i>	2
<i>Agrostis canina</i>	4	<i>Dryopteris dilatata</i>	2
<i>Carex echinata</i>	4	<i>Polytrichastrum formosum</i>	2
<i>Galium saxatile</i>	4	<i>Potentilla erecta</i>	2
<i>Polytrichum commune</i>	4	<i>Salix cinerea</i>	2
<i>Vaccinium myrtillus</i>	4	<i>Sphagnum palustre</i>	2
<i>Agrostis stolonifera</i>	3	<i>Anthoxanthum odoratum</i>	1
<i>Blechnum spicant</i>	3	<i>Campylopus flexuosus</i>	1
<i>Hypnum jutlandicum</i>	3	<i>Campylopus introflexus</i>	1
<i>Juncus bulbosus</i>	3	<i>Dryopteris carthusiana</i>	1
<i>Rubus fruticosus</i> agg.	3	<i>Lotus pedunculatus</i>	1
<i>Sphagnum fallax</i>	3	<i>Picea sitchensis</i>	1



Quadrat	T16
Location	Turbine T16
Grid Reference	258484 133644
Survey Date	17-07-2020
Habitat	Improved agricultural grassland (GA1)
Species Richness	9
IVC	GL2B <i>Juncus effusus</i> - <i>Holcus lanatus</i> grassland
IVC Affinity	53.8%
Species	Domin
<i>Agrostis stolonifera</i>	8
<i>Anthoxanthum odoratum</i>	5
<i>Holcus lanatus</i>	5
<i>Rhynchospora squarrosa</i>	4
<i>Lotus pedunculatus</i>	3
<i>Plantago lanceolata</i>	3
<i>Rumex acetosa</i>	3
<i>Ranunculus repens</i>	2
<i>Rubus fruticosus</i> agg.	1



Quadrat		T17	
Location		Turbine T17	
Grid Reference		257635 133615	
Survey Date		09-07-2020	
Habitat		Improved agricultural grassland (GA1)	
Species Richness		15	
IVC		GL2C <i>Holcus lanatus</i> - <i>Lolium perenne</i> grassland	
IVC Affinity		87.9%	
Species	Domin	Species	Domin
<i>Agrostis stolonifera</i>	7	<i>Trifolium repens</i>	3
<i>Lolium perenne</i>	7	<i>Holcus lanatus</i>	2
<i>Ranunculus repens</i>	5	<i>Gnaphalium uliginosum</i>	1
<i>Alopecurus geniculatus</i>	4	<i>Polygonum aviculare</i>	1
<i>Matricaria discoidea</i>	3	<i>Rumex crispus</i>	1
<i>Persicaria maculata</i>	3	<i>Rumex obtusifolius</i>	1
<i>Poa trivialis</i>	3	<i>Spergula arvensis</i>	1
<i>Stellaria media</i>	3		



Quadrat	T18		
Location	Turbine 18		
Grid Reference	258169 134268		
Survey Date	16-07-2020		
Habitat	Immature conifer plantation (WS2)		
Species Richness	18		
IVC	Transitional		
IVC Affinities	HE2A (47.0%) / HE2E (20.1%) / HE2D (7.1%)		
Species	Domin	Species	Domin
<i>Calluna vulgaris</i>	5	<i>Campylopus flexuosus</i>	2
<i>Rubus fruticosus</i> agg.	5	<i>Dryopteris dilatata</i>	2
<i>Chamerion angustifolium</i>	4	<i>Hypnum jutlandicum</i>	2
<i>Molinia caerulea</i>	4	<i>Rumex acetosella</i>	2
<i>Picea sitchensis</i>	4	<i>Campylopus introflexus</i>	1
<i>Ulex gallii</i>	4	<i>Carex pilulifera</i>	1
<i>Erica cinerea</i>	3	<i>Digitalis purpurea</i>	1
<i>Pinus contorta</i>	3	<i>Juncus effusus</i>	1
<i>Sorbus aucuparia</i>	3	<i>Luzula multiflora</i>	1



Quadrat	T19
Location	Turbine T19
Grid Reference	257378 134020
Survey Date	09-07-2020
Habitat	Improved agricultural grassland (GA1)
Species Richness	5
IVC	GL3B <i>Lolium perenne</i> - <i>Trifolium repens</i> grassland
IVC Affinity	76.4%
Species	Domin
<i>Lolium perenne</i>	9
<i>Trifolium repens</i>	5
<i>Bellis perennis</i>	4
<i>Dactylis glomerata</i>	2
<i>Brachytecium rutabulum</i>	1



Quadrat	T20		
Location	Turbine T20		
Grid Reference	257866 134728		
Survey Date	08-07-2020		
Habitat	Immature conifer plantation (WS2)		
Species Richness	16		
IVC	HE2B <i>Calluna vulgaris</i> - <i>Hypnum jutlandicum</i> heath		
IVC Affinity	67.5%		
Species	Domin	Species	Domin
<i>Calluna vulgaris</i>	8	<i>Polytrichastrum formosum</i>	3
<i>Hypnum jutlandicum</i>	6	<i>Salix aurita</i>	3
<i>Thuidium tamariscinum</i>	5	<i>Lophocolea bidentata</i>	2
<i>Ulex gallii</i>	5	<i>Potentilla erecta</i>	2
<i>Erica cinerea</i>	4	<i>Rubus fruticosus</i> agg.	2
<i>Molinia caerulea</i>	4	<i>Dryopteris dilatata</i>	1
<i>Pinus contorta</i>	4	<i>Sphagnum capillifolium</i> ssp. <i>rubellum</i>	1
<i>Erica tetralix</i>	3	<i>Vaccinium myrtillus</i>	1



Quadrat	T21		
Location	Turbine T21		
Grid Reference	257087 134494		
Survey Date	17-07-2020		
Habitat	Immature broadleaf plantation (WS2)		
IVC	GL2C <i>Holcus lanatus</i> - <i>Lolium perenne</i> grassland		
IVC Affinity	85.8%		
Species Richness	9		
Species	Domin	Species	Domin
<i>Agrostis stolonifera</i>	7	<i>Dactylis glomerata</i>	4
<i>Holcus lanatus</i>	7	<i>Ranunculus repens</i>	3
<i>Plantago lanceolata</i>	5	<i>Rumex acetosa</i>	3
<i>Acer pseudoplatanus</i>	4	<i>Cerastium fontanum</i>	2
<i>Anthoxanthum odoratum</i>	4		



Quadrat	BP1
Location	Borrow Pit 1
Grid Reference	258739 129478
Survey Date	25-06-2020
Habitat	Immature conifer plantation (WS2)
Species Richness	8
IVC	WL3B <i>Alnus glutinosa</i> - <i>Ranunculus repens</i> woodland
IVC Affinity	99.3%
Species	Domin
<i>Rubus fruticosus</i> agg.	9
<i>Alnus glutinosa</i>	8
<i>Kindbergia praelonga</i>	5
<i>Picea sitchensis</i>	4
<i>Salix cinerea</i>	4
<i>Thuidium tamariscinum</i>	2
<i>Dryopteris dilatata</i>	1
<i>Holcus lanatus</i>	1



Quadrat	BP2		
Location	Borrow Pit 2		
Grid Reference	259277 131091		
Survey Date	26-06-2020		
Habitat	Conifer plantation (WD4)		
Species Richness	15		
IVC	HE2B <i>Calluna vulgaris</i> – <i>Hypnum jutlandicum</i> heath		
IVC Affinity	82.5%		
Species	Domin	Species	Domin
<i>Calluna vulgaris</i>	8	<i>Ulex gallii</i>	3
<i>Pinus contorta</i>	8	<i>Erica tetralix</i>	2
<i>Hypnum jutlandicum</i>	7	<i>Vaccinium myrtillus</i>	2
<i>Picea sitchensis</i>	5	<i>Blechnum spicant</i>	1
<i>Molinia caerulea</i>	4	<i>Lophozia ventricosa</i>	1
<i>Campylopus introflexus</i>	3	<i>Polytrichum commune</i>	1
<i>Erica cinerea</i>	3	<i>Sphagnum capillifolium</i> ssp. <i>rubellum</i>	1
<i>Rubus fruticosus</i> agg.	3		



Quadrat	BP3
Location	Borrow Pit 3
Grid Reference	257902 133244
Note: the borrow pit location was moved after the survey was conducted. Quadrat BP3 is now located 52 m east of the revised borrow pit location. As it is in the same sub-compartment with the same tree species and planting year, this quadrat is considered representative of the borrow pit.	
Survey Date	02-07-2020
Habitat	Conifer plantation (WD4)
Species Richness	12
IVC	None
IVC Affinities	Noise (5.8%) / WL4B (5.6%) / WL4D (5.5%)
Species	Domin
<i>Picea sitchensis</i>	9
<i>Kindbergia praelonga</i>	7
<i>Thuidium tamariscinum</i>	4
<i>Agrostis capillaris</i>	2
<i>Hypnum jutlandicum</i>	2
<i>Polytrichastrum formosum</i>	2
<i>Digitalis purpurea</i>	1
<i>Eurhynchium striatum</i>	1
<i>Holcus lanatus</i>	1
<i>Lophocolea bidentata</i>	1
<i>Luzula multiflora</i>	1
<i>Potentilla erecta</i>	1



Quadrat	C1
Location	Substation
Grid Reference	258382 131789
Note: the substation location was moved after the survey was conducted. Quadrat C1 is now located 61 m east of the revised substation location. As it is in the same sub-compartment with the same tree species and planting year, this quadrat is considered representative of the substation site.	
Survey Date	01-07-2020
Habitat	Conifer plantation (WD4)
Species Richness	5
IVC	None
IVC Affinity	Noise (11.3%) / FW3G (3.9%) / FW2E (3.4%)
Species	Domin
<i>Picea sitchensis</i>	10
<i>Kindbergia praelonga</i>	2
<i>Thuidium tamariscinum</i>	2
<i>Dryopteris dilatata</i>	1
<i>Pseudotaxiphyllum elegans</i>	1



Quadrat	C2
Location	Compound 2
Grid Reference	257633 131447
Survey Date	01-07-2020
Habitat	Conifer plantation (WD4)
Species Richness	9
IVC	Transitional
IVC Affinities	WL4A (10.8%) / WL4D (7.4%) / Noise (4.9%)
Species	Domin
<i>Picea sitchensis</i>	9
<i>Thuidium tamariscinum</i>	8
<i>Hypnum jutlandicum</i>	4
<i>Pseudoscleropodium purum</i>	3
<i>Kindbergia praelonga</i>	2
<i>Molinia caerulea</i>	2
<i>Dryopteris dilatata</i>	1
<i>Hedera hibernica</i>	1
<i>Polytrichastrum formosum</i>	1



Quadrat	C3		
Location	Compound 3		
Grid Reference	258163 133111		
Survey Date	02-07-2020		
Habitat	Immature conifer plantation (WS2)		
Species Richness	20		
IVC	Transitional		
IVC Affinities	GL4B (45.0%) / GL4D (25.0%) / GL4A (12.9%)		
Species	Domin	Species	Domin
<i>Agrostis vinealis</i>	6	<i>Luzula multiflora</i>	2
<i>Anthoxanthum odoratum</i>	5	<i>Picea sitchensis</i>	2
<i>Galium saxatile</i>	5	<i>Rubus fruticosus</i> agg.	2
<i>Holcus lanatus</i>	5	<i>Campylopus introflexus</i>	1
<i>Agrostis capillaris</i>	4	<i>Dicranella heteromalla</i>	1
<i>Thuidium tamariscinum</i>	4	<i>Juncus conglomeratus</i>	1
<i>Calluna vulgaris</i>	3	<i>Juncus effusus</i>	1
<i>Potentilla erecta</i>	3	<i>Pseudoscleropodium purum</i>	1
<i>Carex binervis</i>	2	<i>Salix cinerea</i>	1
<i>Chamerion angustifolium</i>	2	<i>Ulex europaeus</i>	1



Quadrat	S1
Location	Compound
Grid Reference	259364 129325
Survey Date	26-06-20-2020
Note: the site compound location was moved after the survey was conducted. Quadrat S1 is now located 225 m south-east of the revised compound location. As it is in a different sub-compartment in a completely different habitat type, this quadrat is not considered representative of the site compound location and is not presented here.	